

AMENDMENTS TO THE CLAIMS

1. This listing of the claims will replace all prior versions and listing of the claims in this application.

Listing of the claims:

1-5. (Canceled)

6. (Withdrawn) A hinge device for pivoting a first member and a second member to be rotatably opened and closed, said hinge device comprising a first joint member coupled with the first member in a rotation prevented condition and a second joint member coupled relatively rotatably to the first joint member and coupled with the second member in a rotation prevented condition, wherein;

a cam portion is provided to either one of the first joint member and the second joint member;

a cam engagement portion which engages with the cam portion is provided to the other of the first joint member and the second joint member of said first hinge member;

at least one of the cam portion and the cam engagement portion is provided slidably in the engagement and disengagement direction;

an engagement biasing member is provided for biasing at least one of the cam portion and the cam engagement portion in the engagement direction;

when the second member kept under the coupled and closed condition is opened to the first member, in a rotational range A1 to a predetermined open angle position P2 rotated in the open direction from the coupled and closed position P1, the cam portion and the cam engagement portion are biased by said engagement biasing member and in dropping engagement with each other whereby a closing rotation biasing effect is generated for automatically closing the second member to the coupled and closed position P1 relative to the first member;

a rotational biasing member is provided for biasing at least one of the cam portion and the cam engagement portion in a rotational direction;

when the second member is manually rotated in the open direction relative to the first member exceeding the predetermined open angle position P2, the cam portion and the cam engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together under the engagement condition so that the open rotational biasing effect is generated for automatically opening the second member to the predetermined open angle position P3 relative to the first member;

a retainer member for releaseably retaining said cam portion or the cam engagement portion is provided in a rotation prevented manner in either one of said first joint member and said second joint member;

under the condition that the retainer member is retained at the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented;

when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed;

the retention force of the retainer member relative to the cam portion or the cam engagement portion is set up to such a retention force that the retainer member is not disengaged from the cam portion or the cam engagement portion by the biasing force of said rotational biasing member; and

when the second member is manually rotated in the opening direction exceeding the predetermined open angle position P2 against the closing rotational biasing force by the cam portion and the cam engagement portion relative to the first member, the retainer member may be disengaged from the cam portion or the cam engagement portion.

7. (Withdrawn) A hinge device for pivoting a first member and a second member to be rotatably opened and closed, said hinge device comprising a first joint member coupled with the first member in a rotation prevented condition and a second joint member coupled relatively rotatably to the first joint member and coupled with the second member in a rotation prevented condition, wherein:

a cam portion is provided to either one of the first joint member and the second joint member;

a cam engagement portion which engages with the cam portion is provided to the other of the first joint member and the second joint member of said first hinge member;

at least one of the cam portion and the cam engagement portion is provided slidably in the engagement and disengagement direction;

an engagement biasing member is provided for biasing at least one of the cam portion and the cam engagement portion in the engagement direction;

when the second member kept under the coupled and closed condition is opened to the first member, in a rotational range A1 to a predetermined open angle position P2 rotated in the open direction from the coupled and closed position P1, the cam portion and the cam engagement portion are biased by said engagement biasing member and in dropping engagement with each other whereby a closing rotation biasing effect is generated for automatically closing the second member to the coupled and closed position P1 relative to the first member;

a rotational biasing member is provided for biasing at least one of the cam portion and the cam engagement portion in a rotational direction;

when the second member is manually rotated in the open direction relative to the first member exceeding the predetermined open angle position P2, the cam portion and the cam engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together under the engagement condition so that the open rotational

biasing effect is generated for automatically opening the second member to the predetermined open angle position P3 relative to the first member;

in a rotational range A2 to the predetermined open angle position P2 rotated in the closing direction from a position where the second member is opened to the first member, the cam portion and the cam engagement portion are disengaged from each other;

an apex portion of the cam portion and an apex portion of the cam engagement portion are in abutment with each other by the bias of the engagement biasing member to generate a frictional resistance to thereby generate a free stop effect for holding the second member to the first member at any desired open angle position;

a retainer member for releaseably retaining said cam portion or the cam engagement portion is provided in a rotation prevented manner in either one of said first joint member and said second joint member;

under the condition that the retainer member is retained at the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented;

when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed;

the retention force of the retainer member relative to the cam portion or the cam engagement portion is set up to such a retention force that the retainer member is not disengaged from the cam portion or the cam engagement portion by the biasing force of said rotational biasing member; and

when the second member is manually rotated in the opening direction exceeding the predetermined open angle position P2 against the closing rotational biasing force by the cam

portion and the cam engagement portion relative to the first member, the retainer member may be disengaged from the cam portion or the cam engagement portion.

8. (Withdrawn) The hinge device according to claim 6, further characterized in that an engagement concave portion for fitting and retaining said retainer member is provided in said cam portion or said cam engagement portion, and a taper surface is formed in an insertion portion of the retainer member to be inserted into said engagement concave portion whereby a retention force of the retainer member to said engagement concave portion is set up to such a retention force that the retainer member is disengaged from the cam portion or the cam engagement portion when the second member is manually rotated relative to the first member in the open direction exceeding the predetermined open angle position P2 against the closing rotation biasing force by the cam portion and the cam engagement portion.

9. (Withdrawn) The hinge device according to claim 6, further characterized in that said retainer member is slidingly moved by a depression operation of a depression button portion so that the retention to said closing structure portion is released.

10-12. (Canceled)

13. (Currently amended) A hinge device for rotatably pivoting a first member and a second member ~~to be rotatably~~ opened and closed, said hinge device comprising:

a first hinge member provided in a first pivot portion provided in either one of a right and a left side positions of a pivot joint portion between said first member and said second member and a second hinge member provided in a second pivot portion provided opposite the first pivot portion in the other position, wherein said first hinge member is ~~composed of~~ comprises a first joint member coupled to the first member or the second member and a second joint member coupled to the second member or the first member, wherein when said first joint member is coupled to said first member, said second joint member is coupled to said second member and vice-versa;

a cam portion is ~~provided~~ operatively connected to either one of the first joint member and the second joint member of said first hinge member;

a cam engagement portion which engages with the cam portion is ~~provided~~ operatively connected to the other of the first joint member and the second joint member of said first hinge member not connected to the cam portion;

at least one of the cam portion and the cam engagement portion is ~~provided~~ adapted to slidably move in the an engagement and disengagement direction;

an engagement biasing member is ~~provided~~ for biasing at least one of the cam portion and the cam engagement portion in the engagement direction;

wherein when the second member ~~kept under the~~ is in a coupled and closed ~~condition~~ position ~~is opened to the first member, in a rotational range A1 and is rotated from the coupled and closed position~~ to a predetermined open angle position P2 ~~rotated in the open direction from the coupled and closed position P1~~, the cam portion and the cam engagement portion are biased by said engagement biasing member and ~~in dropping engagement with~~ engage each other whereby a closing rotation biasing effect is generated ~~for to~~ automatically ~~closing~~ urge the second member to the coupled and closed position P1 ~~relative to the first member~~;

a rotational biasing member is ~~provided~~ in said second hinge member operatively connected to at least one of said cam portion and said cam engagement portion for biasing at least one of the cam portion and the cam engagement portion in a rotational direction;

wherein the cam portion and the cam engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together ~~under the engagement condition~~ so that an the open rotational biasing effect is generated ~~for to~~ automatically ~~opening~~ open the second member to the a second predetermined open angle position P3 ~~relative to the first member~~; and

a retainer member for releasably ~~retaining~~ engaging said cam portion or the cam engagement portion is provided in either one of said first joint member and said second joint member of said first hinge member;

and wherein when ~~under the condition that~~ the retainer member is ~~retained~~ engaged at the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented;

and wherein when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed; ~~and~~ , wherein

said retainer member is slidingly moved by a ~~depression operation of a depression~~ depressing a button ~~portion~~ provided in either one of the first joint member and the second joint member so that the ~~retention~~ engagement to said cam portion or the cam engagement portion is released.

14. (Currently amended) A hinge device for rotatably pivoting a first member and a second member ~~to be rotatably~~ opened and closed, said hinge device comprising:

a first hinge member provided in a first pivot portion provided in either one of a right and a left side ~~positions~~ of a pivot joint portion between said first member and said second member and a second hinge member provided in a second pivot portion provided opposite the first pivot portion ~~in the other position~~, wherein: said first hinge member ~~is composed of~~ comprises a first joint member coupled to the first member or the second member and a second joint member coupled to the second member or the first member, wherein when said first joint member is coupled to said first member, said second joint member is coupled to said second member and vice-versa;

a cam portion is ~~provided~~ operatively connected to either one of the first joint member and the second joint member of said first hinge member;

a cam engagement portion which engages with the cam portion ~~is provided~~ operatively connected to the other of the first joint member and the second joint member of said first hinge member not connected to the cam portion;

at least one of the cam portion and the cam engagement portion is ~~provided~~ adapted to slidably move in the an engagement and disengagement direction;

an engagement biasing member ~~is provided~~ for biasing at least one of the cam portion and the cam engagement portion in the engagement direction;

wherein when the second member ~~kept under the~~ is in a coupled and closed ~~condition~~ position ~~is opened to the first member, in a rotational range A1 and is rotated from the coupled and closed position~~ to a predetermined open angle position P2 ~~rotated in the open direction from the coupled and closed position P1~~, the cam portion and the cam engagement portion are biased by said engagement biasing member and ~~in dropping engagement with~~ engage each other whereby a closing rotation biasing effect is generated ~~for to~~ automatically ~~closing~~ urge the second member to the coupled and closed position P1 ~~relative to the first member~~;

a rotational biasing member ~~is provided~~ in said second hinge member operatively connected to at least one of said cam portion and said cam engagement portion for biasing at least one of the cam portion and the cam engagement portion in a rotational direction;

wherein the cam portion and the cam engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together ~~under the engagement condition~~ so that the an open rotational biasing effect is generated ~~for to~~ automatically ~~opening~~ open the second member to the a second predetermined open angle position P3 ~~relative to the first member~~;

wherein in a rotational range A2 to the predetermined open angle position P2 rotated in the closing direction from the second predetermined open angle ~~a position where the second~~

~~member is opened to the first member~~, the cam portion and the cam engagement portion are disengaged from each other;

an apex portion of the cam portion and an apex portion of the cam engagement portion are urged in abutment with each other by the bias of the engagement biasing member to generate a frictional resistance ~~to thereby generate a free stop effect~~ for holding the second member to the first member at any desired open angle position; and

a retainer member for releaseably ~~retaining~~ engaging said cam portion or the cam engagement portion is provided in either one of said first joint member and said second joint member of said first hinge member;

and wherein when ~~under the condition that~~ the retainer member is ~~retained~~ engaged at the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented;

and wherein when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed; ~~and~~ ,

said retainer member is slidingly moved by a ~~depression operation of a depression~~ depressing a button portion provided in either one of the first joint member and the second joint member so that the ~~retention~~ engagement to said cam portion or the cam engagement portion is released.

15-18. (Canceled)

19. (Currently amended) A hinge device for rotatably pivoting a first member and a second member ~~to be rotatably~~ opened and closed, said hinge device comprising:

a first hinge member provided in a first pivot portion provided in either one of a right and a left side ~~positions~~ of a pivot joint portion between said first member and said second

member and a second hinge member provided in a second pivot portion provided opposite the first pivot portion ~~in the other position~~, wherein: said first hinge member ~~is composed of~~ comprises a first joint member coupled to the first member or the second member and a second joint member coupled to the second member or the first member, wherein when said first joint member is coupled to said first member, said second joint member is coupled to said second member and vice-versa;

a cam portion ~~is provided~~ operatively connected to either one of the first joint member and the second joint member of said first hinge member;

a cam engagement portion which engages with the cam portion ~~is provided~~ operatively connected to the other of the first joint member and the second joint member of said first hinge member not connected to the cam portion;

at least one of the cam portion and the cam engagement portion ~~is provided~~ adapted to slidably move in the an engagement and disengagement direction;

an engagement biasing member ~~is provided~~ for biasing at least one of the cam portion and the cam engagement portion in the engagement direction;

wherein when the second member ~~kept under the~~ is in a coupled and closed ~~condition~~ position ~~is opened to the first member, in a rotational range A1 and is rotated from the coupled and closed position~~ to a predetermined open angle position P2 ~~rotated in the open direction from the coupled and closed position P1~~, the cam portion and the cam engagement portion are biased by said engagement biasing member and ~~in dropping engagement with~~ engage each other whereby a closing rotation biasing effect is generated ~~for to~~ automatically closing urge the second member to the coupled and closed position P1 ~~relative to the first member;~~

a rotational biasing member ~~is provided~~ in said second hinge member operatively connected to at least one of said cam portion and said cam engagement portion for biasing at least one of the cam portion and the cam engagement portion in a rotational direction;

wherein when the second member is annually rotated in a range exceeding the predetermined open angle position, the cam portion and the cam engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together ~~under the engagement condition~~ so that ~~the an~~ open rotational biasing effect is generated ~~for to~~ automatically ~~opening open~~ the second member to ~~the a second~~ predetermined open angle position P3 relative to the first member; and

a retainer member for releaseably ~~retaining~~ engaging said cam portion or the cam engagement portion is provided in either one of said first joint member and said second joint member of said first hinge member, ~~under the condition that~~ wherein when the retainer member is ~~retained at~~ engages the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented;

and wherein when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed;

and wherein a retention force of the retainer member to said cam portion or said cam engagement portion is ~~set up so~~ established such that the retainer member is not disengaged from the cam portion or the cam engagement portion by the biasing force of said rotational biasing member; and wherein the retainer member may be disengaged from the cam portion or the cam engagement portion when the second member is manually rotated in a range ~~the open direction~~ exceeding the predetermined open angle position P2 against the closing rotational biasing force by said cam portion and said cam engagement portion relative to said first member.

20. (Currently amended) A hinge device for rotatably pivoting a first member and a second member ~~to be rotatably~~ opened and closed, said hinge device comprising:

a first hinge member provided in a first pivot portion provided in either one of a right and a left side ~~positions~~ of a pivot joint portion between said first member and said second member and a second hinge member provided in a second pivot portion provided opposite the

first pivot portion ~~in the other position~~, wherein: said first hinge member ~~is composed of~~ comprises a first joint member coupled to the first member or the second member and a second joint member coupled to the second member or the first member, wherein when said first joint member is coupled to said first member, said second joint member is coupled to said second member and vice-versa;

a cam portion ~~is provided~~ operatively connected to either one of the first joint member and the second joint member of said first hinge member;

a cam engagement portion which engages with the cam portion ~~is provided~~ operatively connected to the other of the first joint member and the second joint member of said first hinge member not connected to the cam portion;

at least one of the cam portion and the cam engagement portion ~~is provided~~ adapted to slidably move in the an engagement and disengagement direction;

an engagement biasing member ~~is provided~~ for biasing at least one of the cam portion and the cam engagement portion in the engagement direction; wherein when the second member kept under the is in a coupled and closed condition position ~~is opened to the first member, in a rotational range A1 and is rotated from the coupled and closed position~~ to a predetermined open angle position P2 ~~rotated in the open direction from the coupled and closed position P1~~, the cam portion and the cam engagement portion are biased by said engagement biasing member and ~~in dropping engagement with engage~~ each other whereby a closing rotation biasing effect is generated ~~for to~~ automatically closing urge the second member to the coupled and closed position P1 ~~relative to the first member;~~

a rotational biasing member ~~is provided~~ in said second hinge member operatively connected to at least one of said cam portion and said cam engagement portion for biasing at least one of the cam portion and the cam engagement portion in a rotational direction; wherein when the second member is manually rotated in a range ~~the open direction~~ exceeding to the predetermined open angle position P2 ~~relative to the first member~~, the cam portion and the cam

engagement portion are biased by the rotational biasing member and are not disengaged from each other but rotated together ~~under the engagement condition~~ so that ~~the~~ an open rotational biasing effect is generated ~~for to~~ automatically opening open the second member to a second the predetermined open angle position P3 ~~relative to the first member~~; and wherein in a rotational range A2 to the predetermined open angle position P2 rotated in the closing direction from ~~a position where the second member is opened to the first member~~ the second predetermined open angle position, the cam portion and the cam engagement portion are disengaged from each other;

an apex portion of the cam portion and an apex portion of the cam engagement portion are urged in abutment with each other by the bias of the engagement biasing member to generate a frictional resistance ~~to thereby generate a free stop effect~~ for holding the second member to the first member at any desired open angle position; and

a retainer member for releaseably ~~retaining~~ engaging said cam portion or the cam engagement portion is provided in either one of said first joint member and said second joint member of said first hinge member; and wherein when ~~under the condition that~~ the retainer member is ~~retained at~~ engaged with the cam portion or the cam engagement portion, the cooperative rotation of the cam portion and the cam engagement portion by said rotational biasing member is prevented; and wherein when the retainer member is disengaged from the cam portion or the cam engagement portion, the cooperative rotation between the cam portion and the cam engagement portion by the rotational biasing member is allowed; and wherein a retention force of the retainer member to said cam portion or said cam engagement portion is set up so is established such that the retainer member is not disengaged from the cam portion or the cam engagement portion by the biasing force of said rotational biasing member; ~~and wherein~~ the retainer member may be disengaged from the cam portion or the cam engagement portion when the second member is manually rotated in ~~the open direction~~ a range exceeding the predetermined open angle position P2 against the closing rotational biasing force by said cam portion and said cam engagement portion relative to said first member.

21. (Currently amended) The hinge device according to claim 19, further characterized in that an engagement concave portion for fitting and retaining said retainer

member is provided in said cam portion or said cam engagement portion, and a taper surface is formed in an insertion portion of the retainer member to be inserted into said engagement concave portion whereby a retention force of ~~between~~ the retainer member ~~to~~ and said engagement concave portion is established ~~set up to~~ such a retention force that the retainer member is disengaged from the cam portion or the cam engagement portion when the second member is manually rotated relative to the first member in the open direction exceeding the predetermined open angle position P2 against the closing rotation biasing force by the cam portion and the cam engagement portion.

22. (Withdrawn) An electronic equipment using the hinge device according claim 6, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, having a hinge device for coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition to expose the operating portion or the joint portion may be rotated around its own axis to be turned inside out, and wherein said body portion is used as said first member or said second member and said joint portion is used as said second member or said first member in this hinge device.

23. (Withdrawn) The hinge device according to claim 7, wherein an engagement concave portion for fitting and retaining said retainer member is provided in said cam portion or said cam engagement portion, and a taper surface is formed in an insertion portion of the retainer member to be inserted into said engagement concave portion whereby a retention force of the retainer member to said engagement concave portion is set up to such a retention force that the retainer member is disengaged from the cam portion or the cam engagement portion when the second member is manually rotated relative to the first member in the open direction exceeding the predetermined open angle position P2 against the closing rotation biasing force by the cam portion and the cam engagement portion.

24. (Withdrawn) The hinge device according to claim 7, wherein said retainer member is slidably moved by a depression operation of a depression button portion so that the retention to said closing structure portion is released.

25. (Currently amended) The hinge device according to claim 20, wherein an engagement concave portion for fitting and retaining said retainer member is provided in said cam portion or said cam engagement portion, and a taper surface is formed in an insertion portion of the retainer member to be inserted into said engagement concave portion whereby a retention force of between the retainer member ~~to~~ and said engagement concave portion is ~~set up~~ established such a retention force that the retainer member is disengaged from the cam portion or the cam engagement portion when the second member is manually rotated relative to the first member in the open direction exceeding the predetermined open angle position P2 against the closing rotation biasing force by the cam portion and the cam engagement portion.

26. (Withdrawn) An electronic equipment using the hinge device according to claim 7, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, having a hinge device for coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition to expose the operating portion or the joint portion may be rotated around its own axis to be turned inside out, and wherein said body portion is used as said first member or said second member and said joint portion is used as said second member or said first member in this hinge device.

27. (Withdrawn) An electronic equipment using the hinge device according to claim 8, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, having a hinge device for coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition to expose the operating portion or the joint portion may be rotated around its own axis to be turned inside out, and wherein said body portion is used as said first

member or said second member and said joint portion is used as said second member or said first member in this hinge device.

28. (Withdrawn) An electronic equipment using the hinge device according to claim 9, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, having a hinge device for coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition to expose the operating portion or the joint portion may be rotated around its own axis to be turned inside out, and wherein said body portion is used as said first member or said second member and said joint portion is used as said second member or said first member in this hinge device.

29. (Currently amended) An electronic device incorporating equipment using the hinge device according to claim 13, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, ~~having a said hinge device for rotatably coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition~~ rotates to expose the operating portion or the joint portion may be rotated around its own axis ~~to be turned inside out~~, and wherein said body portion ~~is used as~~ comprises said first member or said second member and said joint portion ~~is used as~~ comprises said second member or said first member in ~~this said~~ hinge device.

30. (Currently amended) An electronic ~~equipment using~~ device incorporating the hinge device according to claim 14, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, ~~having a said hinge device for rotatably coupling said body portion and said joint portion rotatably so that said joint portion is rotated horizontally or in a rising manner from the coupled condition~~ rotates to expose the operating portion or the joint portion may be rotated around its own axis ~~to be turned inside~~

~~out,~~ and wherein said body portion ~~is used as~~ comprises said first member or said second member and said joint portion ~~is used as~~ comprises said second member or said first member in ~~this~~ said hinge device.

31. (Currently amended) An electronic ~~device equipment using~~ incorporating the hinge device according to claim 19, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, ~~having a~~ said hinge device ~~for rotatably~~ coupling said body portion and said joint portion ~~rotatably~~ so that said joint portion ~~is rotated horizontally or in a rising manner from the coupled condition~~ rotates to expose the operating portion or the joint portion may be rotated around its own axis ~~to be turned inside out,~~ and wherein said body portion ~~is used as~~ comprises said first member or said second member and said joint portion ~~is used as~~ comprises said second member or said first member in ~~this~~ said hinge device.

32. (Currently amended) An electronic ~~equipment using~~ incorporating the hinge device according to claim 20, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, ~~having a~~ said hinge device ~~for rotatably~~ coupling said body portion and said joint portion ~~rotatably~~ so that said joint portion ~~is rotated horizontally or in a rising manner from the coupled condition~~ rotates to expose the operating portion or the joint portion may be rotated around its own axis ~~to be turned inside out,~~ and wherein said body portion ~~is used as~~ comprises said first member or said second member and said joint portion ~~is used as~~ comprises said second member or said first member in ~~this~~ said hinge device.

33. (Currently amended) An electronic ~~equipment using~~ incorporating the hinge device according to claim 21, wherein a body portion provided with an operating portion and a joint portion provided with a display image field are coupled with each other and disposed to cover the operating portion when said operating portion is not operative, ~~having a~~ said hinge device ~~for rotatably~~ coupling said body portion and said joint portion ~~rotatably~~ so that said joint

portion ~~is rotated horizontally or in a rising manner from the coupled condition~~ rotates to expose the operating portion or the joint portion may be rotated around its own axis ~~to be turned inside out~~, and wherein said body portion ~~is used as~~ comprises said first member or said second member and said joint portion ~~is used as~~ comprises said second member or said first member in ~~this~~ said hinge device.